

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/007051

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> H04H1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H04H1/00, H04L29/06, G06F15/00, G06F17/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6317784 B1 (Radio Wave.Com, Inc.), 13 November, 2001 (13.11.01), Abstract; column 5, line 7 to column 7, line 45; Figs. 1 to 3, 7 & WO 2000/019662 A1 & AU 9963897 A	1-3, 5-17 4
Y	JP 2002-358283 A (NEC Corp.), 13 December, 2002 (13.12.02), Par. Nos. [0043] to [0050]; Fig. 2 (Family: none)	4
Y	JP 2000-222360 A (Matsushita Electric Industrial Co., Ltd.), 11 August, 2000 (11.08.00), Par. Nos. [0078] to [0086]; Figs. 5, 6 (Family: none)	4

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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"&amp;" document member of the same patent family

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search  
22 June, 2004 (22.06.04)Date of mailing of the international search report  
06 July, 2004 (06.07.04)Name and mailing address of the ISA/  
Japanese Patent Office

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-86420 A (Matsushita Electric Industrial Co., Ltd.), 30 March, 2001 (30.03.01), Par. No. [0060] (Family: none)	2, 6, 9, 12, 14, 17
A	JP 5-219053 A (Nippon Telegraph And Telephone Corp.), 27 August, 1993 (27.08.93), Full text; Figs. 1 to 7 (Family: none)	4
A	JP 10-336169 A (Nihon Unisys, Ltd.) 18 December, 1998 (18.12.98), Full text; Figs. 1 to 19 & US 6148404 A	4
A	JP 10-285460 A (Newsline Network Corp.), 23 October, 1998 (23.10.98), Par. No. [0021]; Fig. 2 (Family: none)	1-17